



SEQUENCE LISTING

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NOREN, CHRISTOPHER J.

<120> SURFACE DISPLAY OF SELENOCYSTEINE-CONTAINING PEPTIDES

<130> NEB-164-PUS

<140> 09/937,187
<141> 2001-09-21

<150> 60/134,286
<151> 1999-05-14

<150> PCT/US00/13292
<151> 2000-05-12

<160> 42

<170> PatentIn Ver. 2.0

<210> 1
<211> 38
<212> RNA
<213> Synthetic

<220>
<223> At positions 1, 2, 4, 5, 7, 8, 10, 11, 17, 17, 19, 20, 22 and 23: N = A, G, C, or U

<220>
<223> At positions 3, 6, 9, 12, 18, 21 and 24: K = G or U

<400> 1
nnknnknnkn nkugannknn knnkucggcc gaaacaaug

38

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tcgtctttc cttgaaagtc gcct

24

<210> 3
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<400> 3
aagtgtacgc tttgatctat gctg

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<213> Synthetic

<400> 4
ttgctttgc cttgaaatgt tctt 24

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aatggggcgc agtgatcgag gcat 24

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24

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<223> At position 5, Xaa = Selenocysteine

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Ser Ala Arg Val Xaa His Gly Pro

1

5

<210> 29

<211> 98

<212> DNA

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<400> 29

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cgagcgcttag agtgagaata gaaaggtaacc cgggcatg 98

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<212> DNA

<213> Synthetic

<400> 30

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25

<210> 31

<211> 20

<212> DNA

<213> Synthetic

<400> 31
ccctcatagt tagcgtaacg 20

<210> 32
<211> 10
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<213> Synthetic

<220>
<223> At position 5, Xaa = Selenocysteine

<400> 32
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<210> 33
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<223> At positions 36, 39, 42, 48, 51, 54 and 57: M = A or C

<220>
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gagtgagaat agaaaggtaa ccggg 85

<210> 34
<211> 85
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<220>
<223> At positions 36, 39, 42, 48, 51, 54 and 57: M = A or C

<220>
<223> At positions 37, 38, 40, 41, 43, 49, 50, 52, 53, 55, 56, 58 and 59: N = A, C, T or G

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gagtgagaat agaaaggtaa ccggg 85

<210> 35
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Ser Ala Arg Val Leu Cys Asn His
1 5

<210> 36
<211> 6
<212> PRT
<213> Synthetic

<400> 36
His Pro Gln Gly Pro Pro
1 5

<210> 37
<211> 100
<212> DNA
<213> Synthetic

<400> 37
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ggatggctt~~t~~ ccgcag~~at~~gtg agaata~~g~~aaa ggtacccggg 100

<210> 38
<211> 100
<212> DNA
<213> Synthetic

<400> 38
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ggatggcatt ccgcag~~at~~gtg agaata~~g~~aaa ggtacccggg 100

<210> 39
<211> 100
<212> DNA
<213> Synthetic

<400> 39
catgtttcg~~g~~ ccgatt~~tg~~tg cagac~~ct~~gca accgatggc cgtgtcac~~g~~ tggac~~c~~ttgc 60
ggatggcatt ccgcag~~at~~gtg agaata~~g~~aaa ggtacccggg 100

<210> 40
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<212> RNA
<213> Synthetic

<220>
<223> At positions 7, 8, 10, 11, 13, 14, 16, 17, 19, 20, 22, 23, 25 and 26: N =
G, A, U, or C

<220>
<223> At positions 9, 12, 15, 18, 21, 24 and 27: K = U and G

<400> 40
gcgugcnnkn nknnknkn knnknnkuga uaa

33

<210> 41
<211> 23
<212> PRT

<213> Synthetic

<220>

<223> At positions 3 through 9, Xaa = any amino acid

<220>

<223> At position 10, Xaa = selenocysteine

<400> 41

Ala Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa His Gly Pro Ser Val Ala
1 5 10 15

Gly Leu His Gln Ser Ala Glu
20

<210> 42

<211> 6

<212> PRT

<213> synthetic

<400> 42

His Pro Gln Gly Pro Thr
1 5